REMARKS

This preliminary amendment does not add new matter to the application. It is believed that there are no additional fees due with the submission of this paper. However, if any additional fees are required in connection with the filing of this paper that are not identified, permission is given to charge Account No. 18-0013 in the name of Rader, Fishman & Grauer PLLC.

Respectfully submitted,

Date: June 17, 2002

Customer No. 010291

Telephone No. (248) 594-0600

Michael B. Stewart, Reg. No. 36,018
Christopher J. Falkowski, Reg. No. 45,989
Rader, Fishman & Grauer PLLC
39533 Woodward Ave., Suite 140
Bloomfield Hills, Michigan 48304
Attorneys for Applicant

R0150034.DOC

MARKED-UP VERSION OF THE CLAIMS

18.   An image processing system as in claim 15, wherein said tracking and predicting system can generate estimates on a more frequent basis ~~that~~ <u>than</u> the sensor can capture occupant images.

21.   A method for predicting the movement of an image, comprising the steps of:

applying a plurality of mathematical heuristics to a plurality of image characteristics to incorporate past measurements and past predictions into an updated overall prediction of said plurality of image characteristics, wherein the image is in one of a plurality of predefined modes and states; and

using said updated characteristic predictions to determine whether the image will enter an ARZ~~; wherein and motion characteristics~~.

MARKED-UP VERSION OF SPECIFICATION

[0043] Fig. 8 illustrates a similar Markov chain to represent the relevant probabilities relating to motion modes. The preferred embodiment of the invention uses three motion modes: stationary 102, represents a human occupant 18 in a mode of stillness, such as while asleep; human ~~112~~ 104, represents a occupant 18 behaving as a typical passenger in an automobile or other vehicle, one that is moving as a matter of course, but not in an extreme way; and crash 122, represents the occupant 18 of a vehicle that is in a mode of crashing.